

CLAIMS

1. Method for producing macroplegmatic polymeric products after special crosslinking treatment wherein these acquire high potential to absorb organic solvents and petroleum products molecularly enclosed and externally adhered.

2. Method according to claim 1 wherein the polymers to be crosslinked to macroplegmatic structures are polystyrene, trimeric copolymer styrene, ethylene and butadiene SEBS (styrene, ethylene, butadiene, styrene) and the elastomeric SBR with 10%, 20% and 40% styrene completely hydrogenated to saturation.

3. Method according to claims 1 and 2 wherein those polymers are processed to crosslinking treatment in solutions with chlorinated solvents to acquire macroplegmatic structure of about Mc 50.000 crosslinked with the 1,4-dichloromethyl-2,5 dimethylbenzene (DCMDMB) and with catalyst Titanium Tetrachloride (TiCl<sub>4</sub>) as 10% solution in the chlorinated solvent.

4. Method according to <sup>claim 3</sup> claims 3 and 4 by which the polymeric absorbing products are brought in a polymer net in selected mixtures acquiring high ability for sweeping from the water or sea surfaces oily matters by absorbing those endomolecularly and by external adherence.

6. Method according to claim 5 by which the absorbed oily mass is brought to a tank and washed with petroleum to collect the absorbed matter as oil and to unload the device net for repeated use.